

# Standards, Test Cases, Testing Tools Development Platform for HL7 v2

- ✓ Integrated Platform
- ✓ Web-application tools
- ✓ Unambiguous specifications
- ✓ Rigorous testing tools

## Efficient method for creating and maintaining Specifications and Test Cases

### Issues and Need

- Remedy for ambiguous and inconsistent requirement specifications
- Real-world scenarios and examples of use of interface specifications
- Timely and rigorous conformance test tools
- Specifications and test tools for local use

### Description of NIST Platform

- Provides SOAP Envelope and SOAP Connectivity Test Cases to test for non-conformant implementation to the WSDL SOAP Transport Standard
- Is an Integrated Platform and Web-application tool for creating
  - HL7 v2 Implementation guides and conformance profiles (IGAMT)
  - HL7 v2 Test plans, test cases, and associated test data (TCAMT)
  - HL7 v2 General-purpose Validation Test Tool (GVT)
- Enables domain experts to create, update, and maintain testing tools
- Enables IISs to customize national implementation guides to local requirements

### Advantages

- **Low barrier and cost** for creating
  - Local conformance specifications by customizing national specifications and
  - Local versions of testing tools to assist in on-boarding

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**The NIST Development Platform for HL7 v2 is being used  
for creating HL7 balloted implementation guides and local  
versions of messaging guides and testing tools**

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# NIST HL7 v2 Standards, Testing Tools Development Platform

